

Prior Art
Figure 1

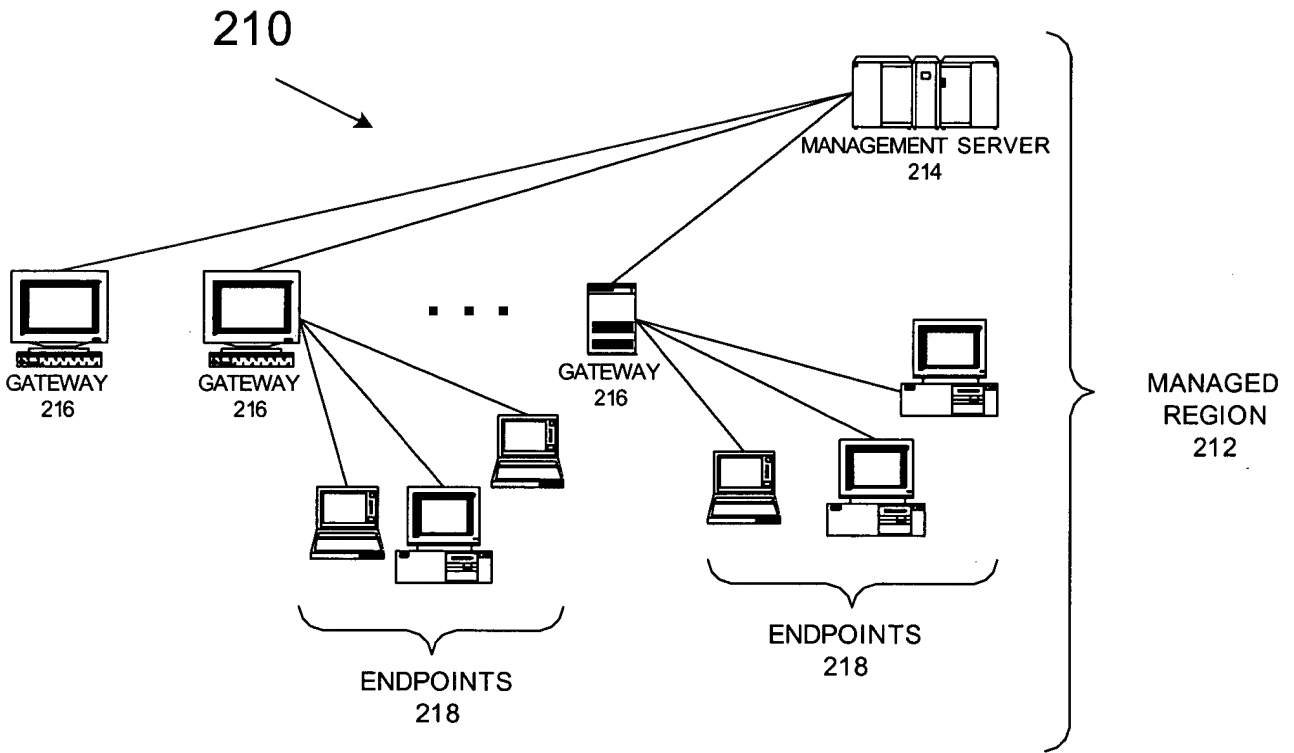


Figure 2A

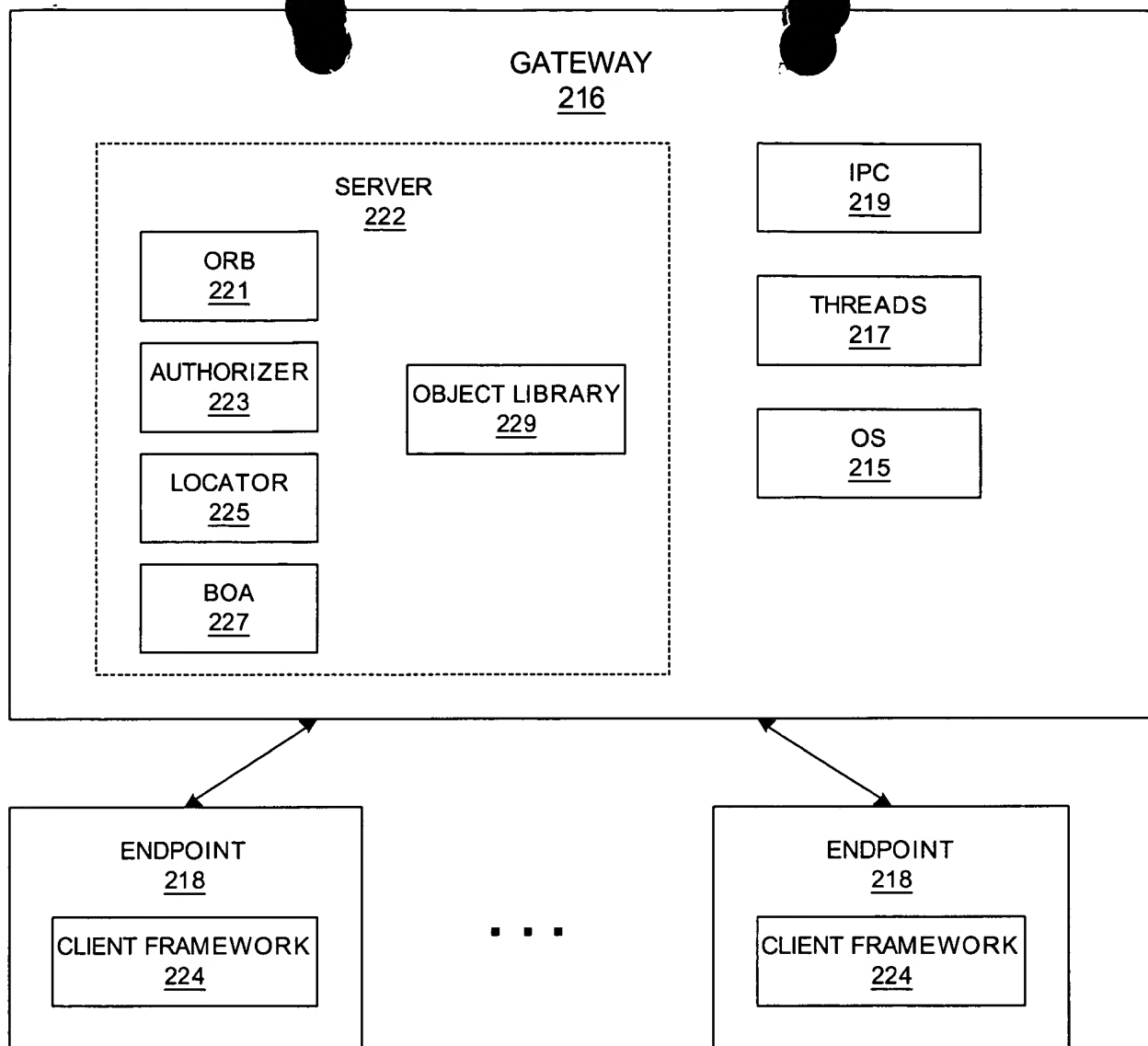


Figure 2B

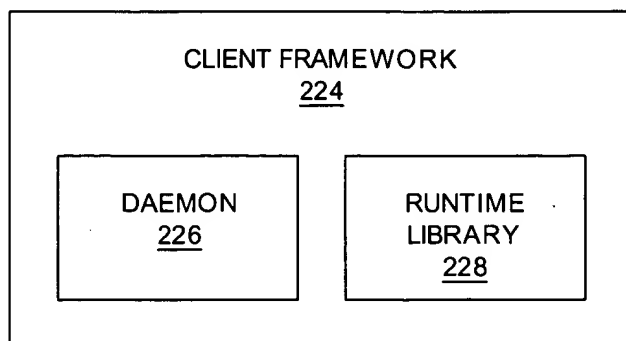


Figure 2C

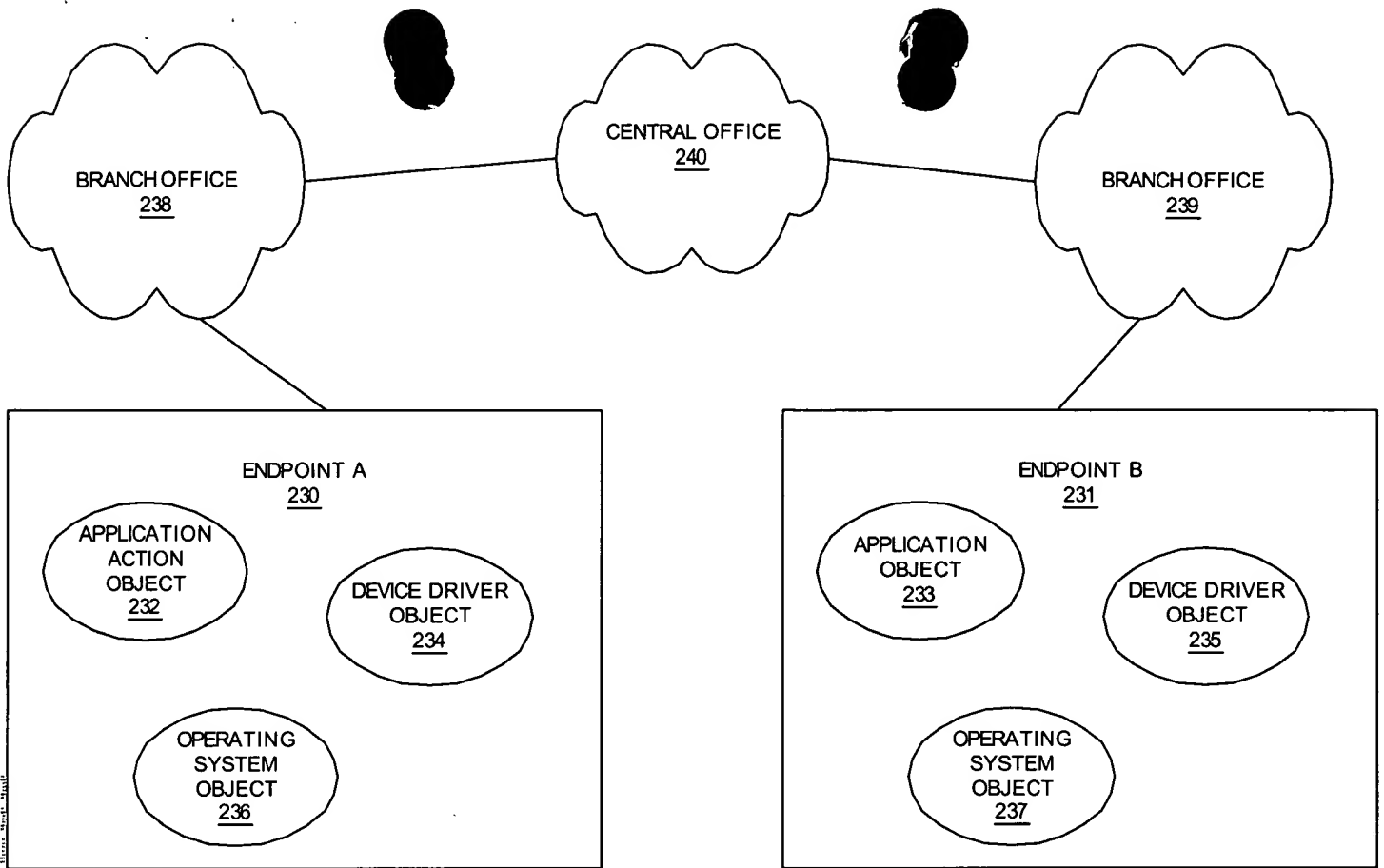


Figure 2D

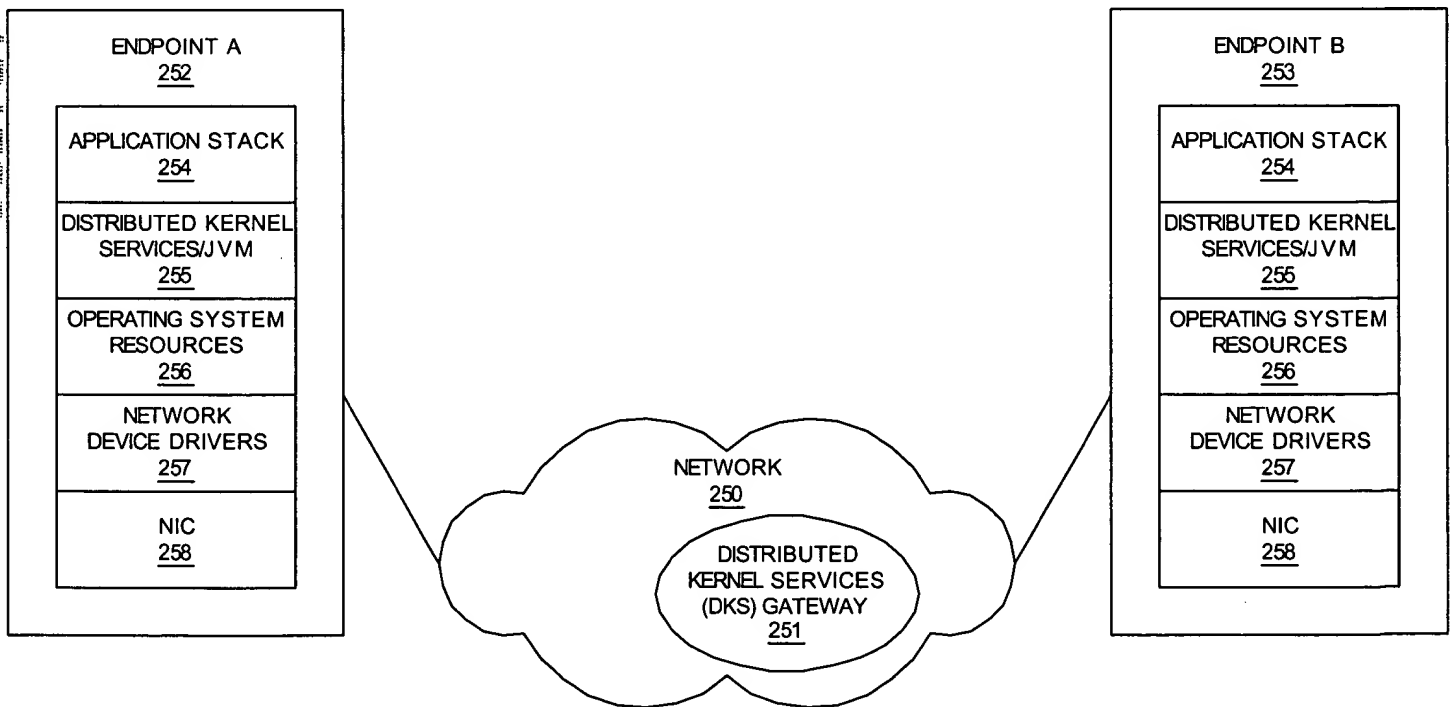


Figure 2E

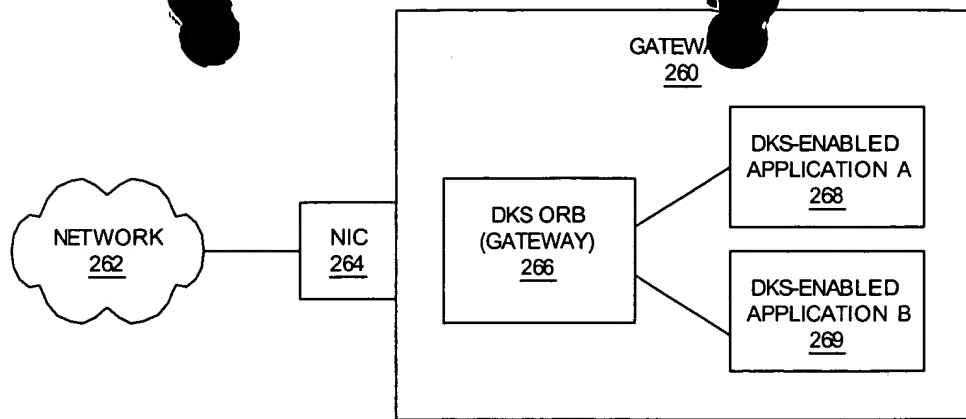


Figure 2F

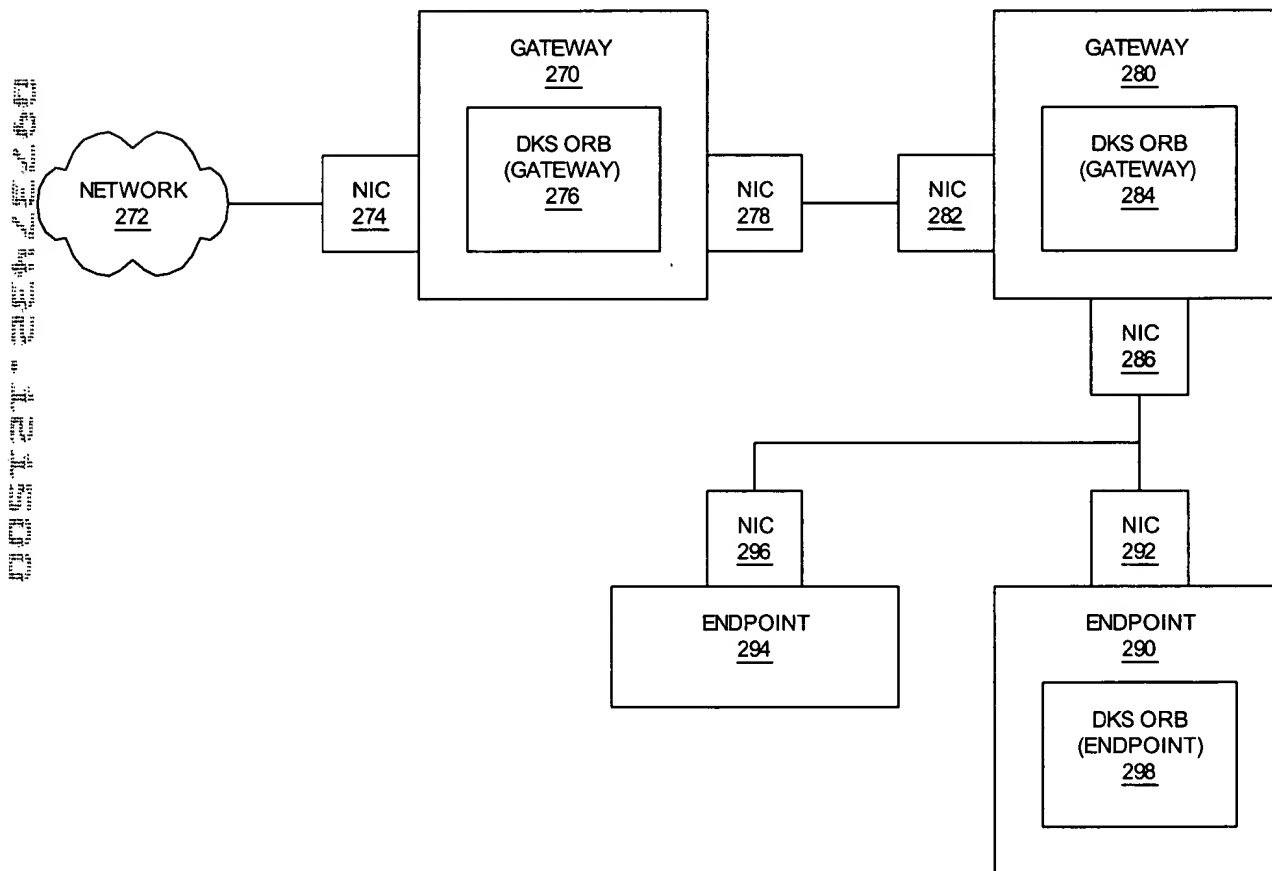


Figure 2G

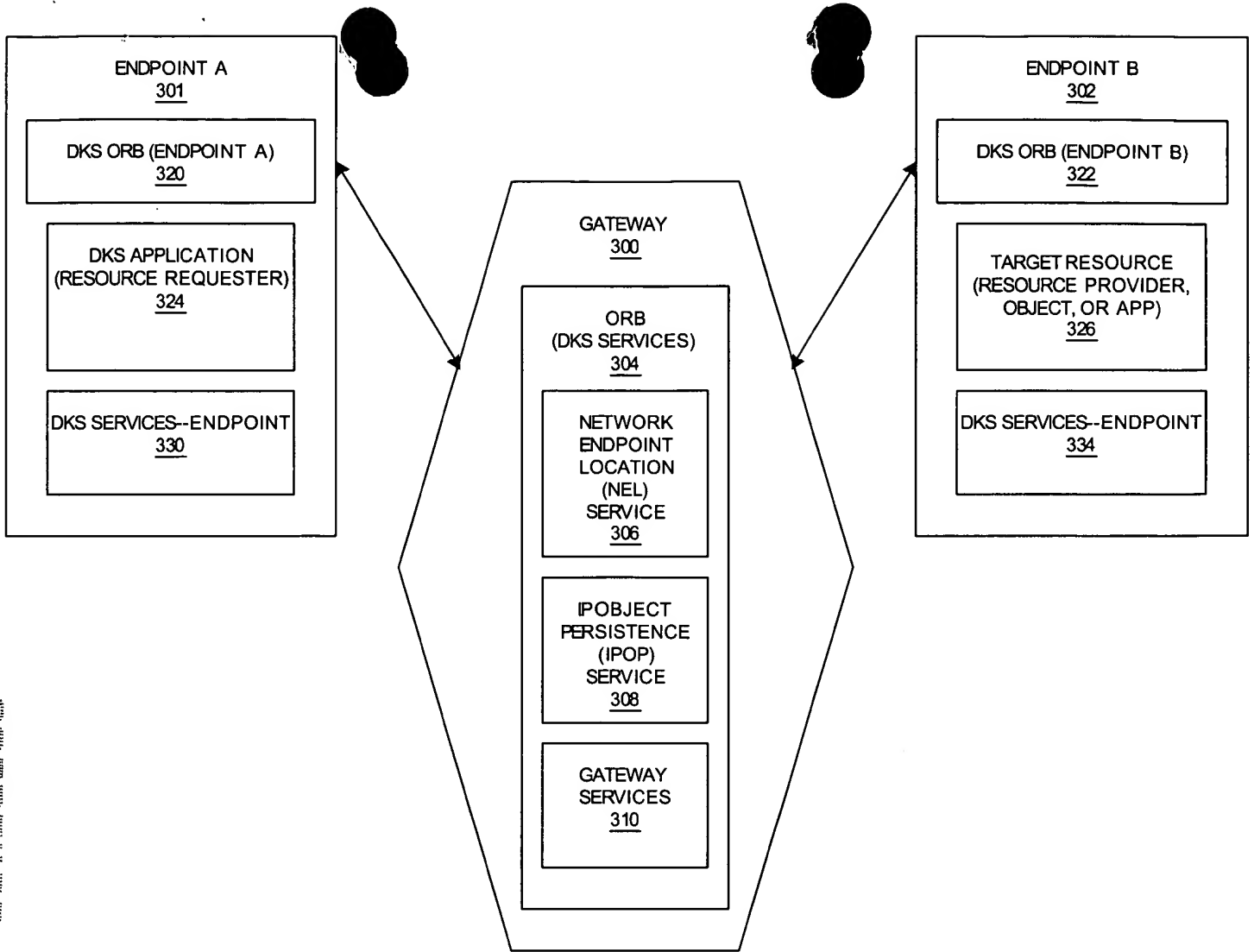


Figure 3

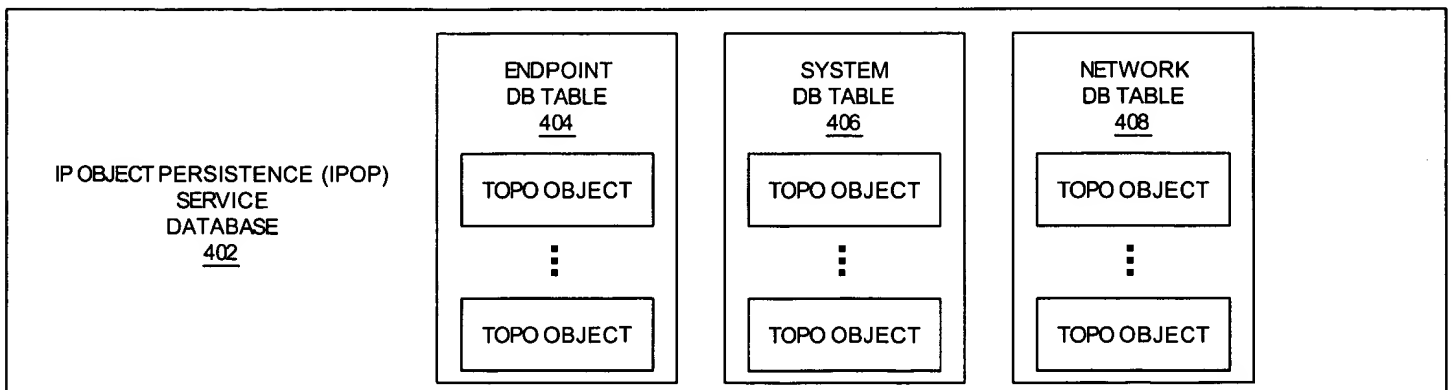


Figure 4

FIG. 5A is a block diagram of a system 500 for managing IP networks. The system 500 includes a central IP Driver 502, which is connected to a Monitor Controller 516 and a Discovery Controller 506. The IP Driver 502 also includes an IP Driver Controller 530, an IP Data Cache 520, an IP Driver Interface 526, and an IP Mapper 503. The IP Driver 502 is connected to a Configuration Service (6) 528 and Application, Users (5) 524. The IP Driver 502 is also connected to a Network Event Manager Application 522 and a Topology Service (2) 504. The IP Driver 502 is connected to a Physical IP Networks 514. The IP Driver 502 is also connected to an IP Data Store 518, which is connected to an IP Object Persistence (IPOP) Service 510. The IP Object Persistence (IPOP) Service 510 is connected to an IPOP DB 511, which includes an Application Action Object (AAO) Restricted Session ID Storage 512 and a Physical Network Topology Route (Endpoint ORB to Endpoint ORB) Storage 513.

500

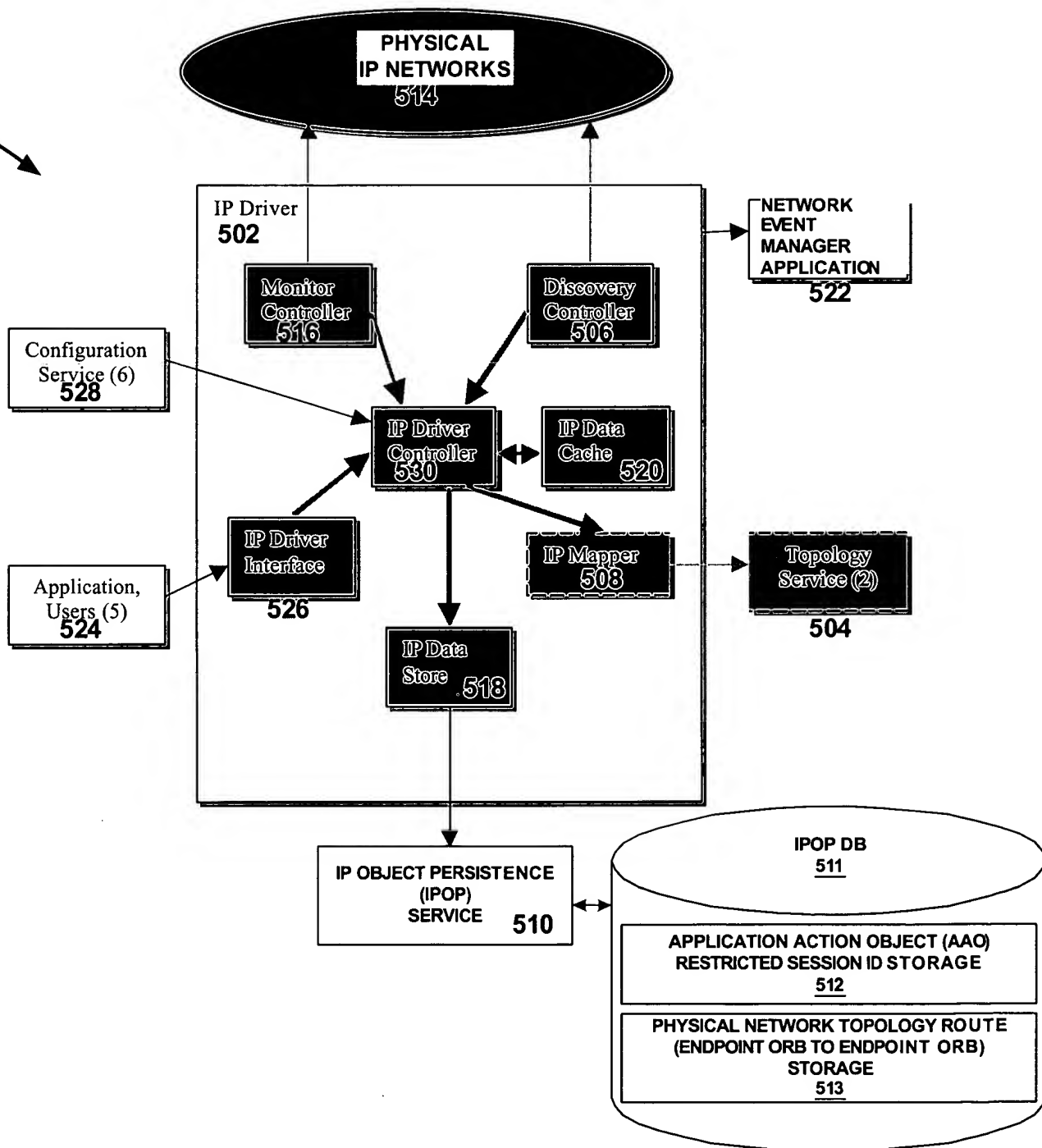


Figure 5A

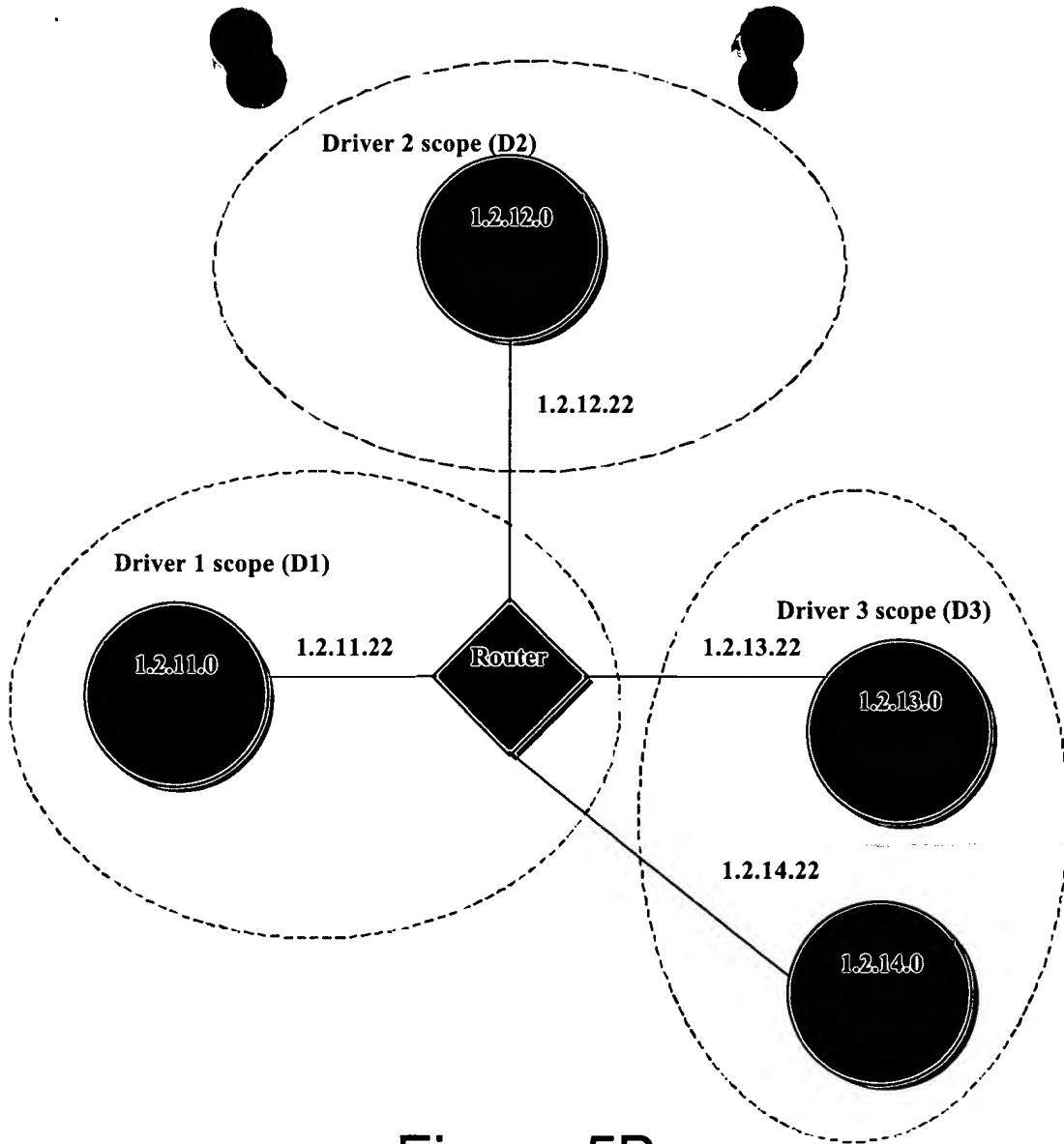


Figure 5B

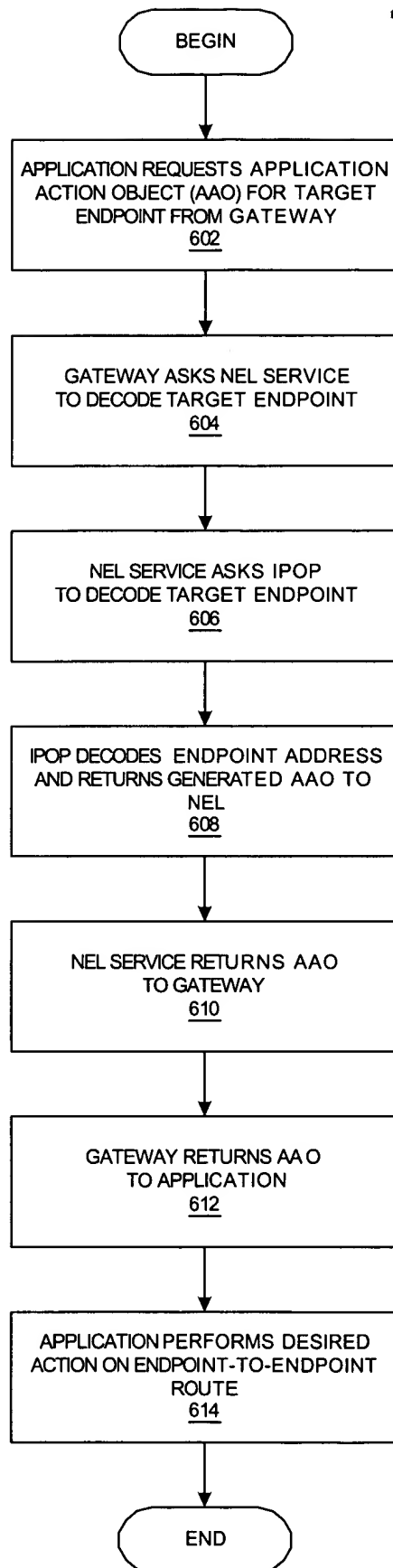


Figure 6A

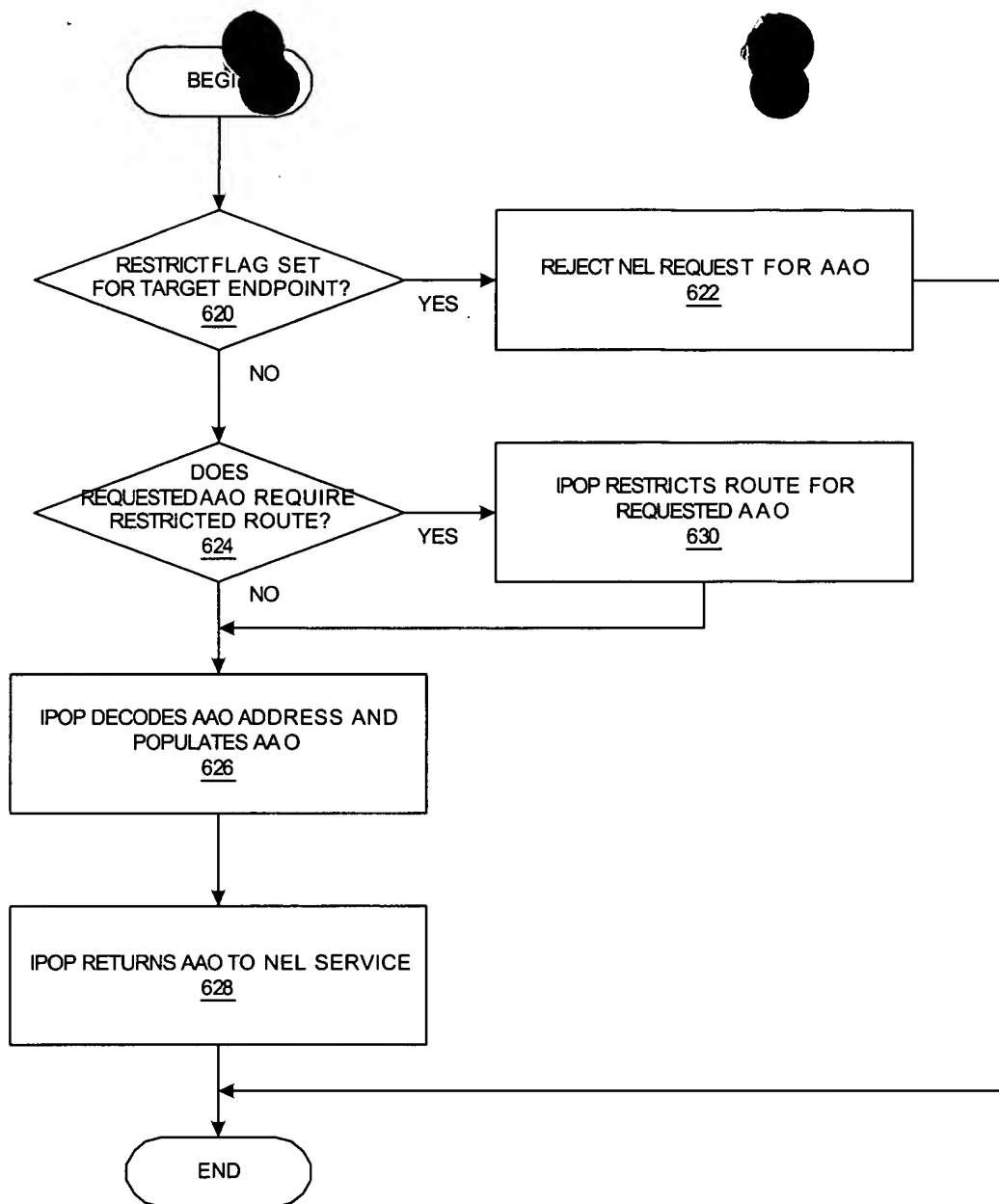


Figure 6B

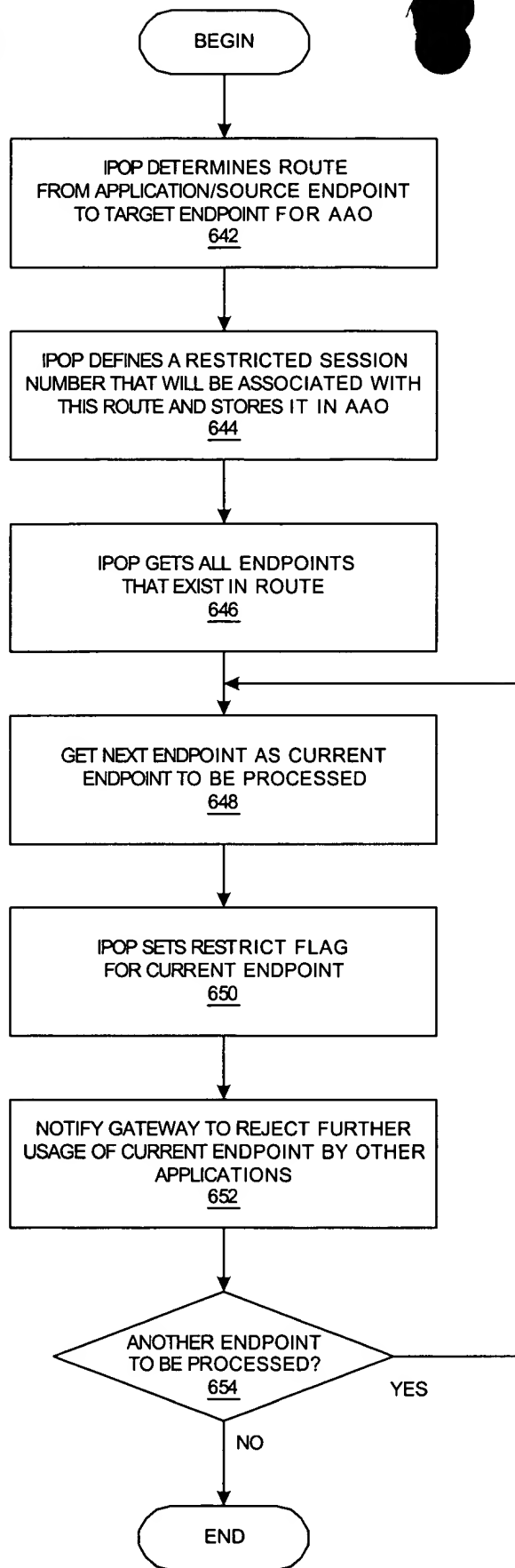


Figure 6C

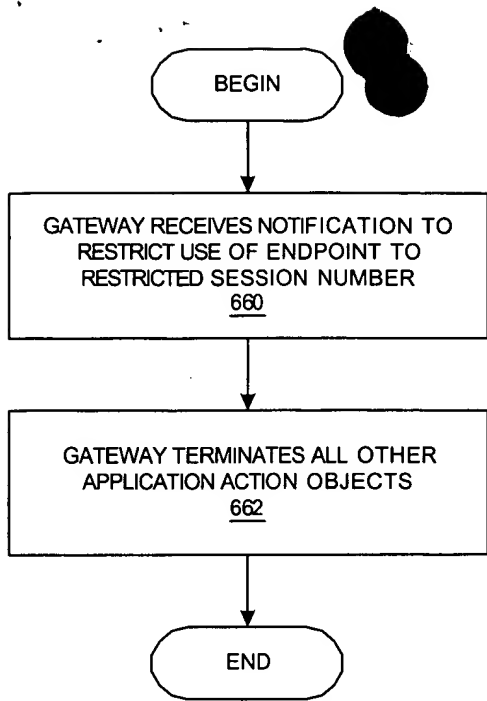


Figure 6D

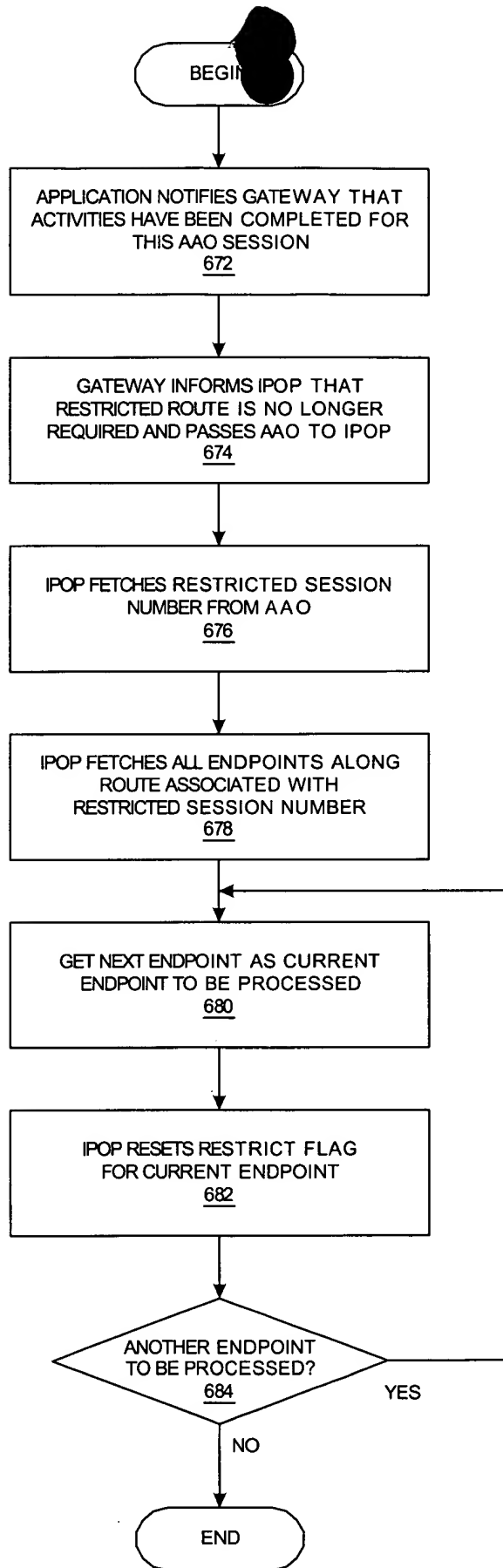


Figure 6E